© 2009 Contec LLC, Rev. 09/09

Concerto Contec/Con

Coronado

Craig Crosley Crown

355 385 388 391

573

095 147 108 573 587 168 233 400

223

400

405 598

Your IR/RF 600 universal remote controls are simple to program, easy to use, and can operate up to three (3) devices. CABLE Satellite receivers TV AUX DVD, VCR, Audio receivers / amplifiers.

CD players, 2nd TV. The IR/RF 600 transmits both infrared (IR) and radio-frequency (RF) signals to your DSR receiver, but only IR signals to all your other devices. The RF capability of the IR/RF 600 permits it to remotely operate a DSR receiver that's enclosed in a home entertainment unit or located where an unobstructed line-of-site between the remote and DSR is not possible.

The remote is ready to use with your Shaw Direct satellite receiver, but before you can use your remote control to operate the other devices listed above, it must first be programmed (set-up).

#### 2. Before Getting Started

Some of the special features and buttons on your remote control are as follows:

### Point and Press® Programming

Lets you program your TV and AUX devices without codes. For more information, see Sections 5 and 14.

# Memory Guard®

Eliminates reprogramming after battery changes.

Time Out If the same button is pressed and held for 30- seconds, your

remote control will turn itself off automatically. This extends the battery life should the remote become lodged under or een heavy objects, for example sofa cushions

#### 3. Installing. Replacing Batteries

Install two (2) new "AA" batteries as indicated by the diagram in the battery compartment.

When the batteries become low and need to be replaced, the [SAT] button will blink several times and the remote control will not transmit the function for the button that was pressed.

When this happens, simply replace the existing batteries with two (2) new "AA" batteries to restore normal operation to the

#### 4. If You Have More Than One Satellite Receiver

Your remote control is set at the factory to control all of the functions on your Motorola satellite receiver. However, if you have more than one satellite receiver, you may want to prevent the remote control in one room from affecting the satellite receiver in another room. To prevent this kind of interference, you must "pair" each remote control with each receiver by assigning a new "address" to each combination.

- This "address" assignment is made using your remote control as follows:
- 1. Press the [SAT] button to select the remote control's SAT
- 2. Press the [Options] button to display the Options screen on your TV. 3. On the Options screen, use the [▲], [▼], [◄], [▶] buttons to
- highlight the Change System Settings / System Setup option, then press [ENTER / OK]. 4. On the Systems Setting / Setup screen, use the [▲] [♥].
- [◄], (▶) buttons to highlight the Change Installation Settings / System Settings (applies to DSR 5xx, 207, 317 receivers) option, then press [ENTER / OK].
- 5. On the System Settings (applies to DSR 5xx, 207, 317 receivers) screen, use the [▲], [▼], [◄], [▶] buttons to highlight the Installation Settings option, then press
- 6. On the Installation Settings screen, use the [▲], [▼], [◀], [▶] buttons to highlight the Remote Control Address option, then press [ENTER / OK]
- a. In this order, press and hold the [MUTE] button, then the IENTER / OKI button. Hold both buttons down together until the mode buttons illuminate in rotation (i.e. SAT → as the mode buttons illuminate.
- b. Enter any one of the following addresses: [000], [001], [002], [003], [004], [005], [006], [007]. Entry of the 3-digit of each address stores the address automatically and causes the mode buttons to blink and go out.
- c. Press the [ENTER / OK] button to set the same address in your Satellite Receiver. The new address will be displayed in the upper right corner of your TV screen.
- d. Exit from the Remote Control Address screen.

#### 5. Programming Your TV

- Code-Entry Programming 1. Turn on the TV you want to program the remote to operate Using the remote control keypad..
- 2. In this order, press and hold the [ENTER / OK] button, then the [MUTE] button. Hold both buttons down together until the mode buttons illuminate in rotation (i.e. SAT → TV → AUX → SAT...). Release both buttons as soon as the mode buttons illuminate.
- 3. a. Locate the 3-digit code for your TV brand in the TV Setup Code list and enter it on the keypad of the remote control. Entry of the correct code will cause your TV to turn off. If multiple codes are listed for your brand, you may have to enter several different codes until your TV turns off.
- b. As soon as you have entered a 3-digit code that turns your TV off, press [MUTE].
- 1. If the TV turns back on, press [ENTER / OK] to lock in the code. The mode buttons will blink 3-times and go out. Or
- 2. If the TV does not turn back on, enter a different 3-digit setup code until your TV turns back on. Then press [ENTER / OK] to lock in the code. The mode buttons will blink 3-times and go out.

#### Point and Press® Programming

This method allows you to program your remote control without codes using the [▲] or [▼] buttons ("Power" function during programming). For more information on this method as well as other buttons you can program your remote with, see Section 14

- 1. Turn on the TV you want to program the remote to operate Using the remote control keypad...
- 2. In this order, press and hold the [ENTER / OKI button. then the [MUTE] button. Hold both buttons down together until the mode buttons illuminate in rotation (i.e. SAT → TV → AUX → SAT...). Release both buttons as soon as the mode buttons illuminate.
- 3. Press (A) one step at a time until your TV turns off. Each time you press [A] button, the mode buttons will illuminate in rotation. As soon as your TV turns off, stop pressing the [A]button.
- 4. Press [MUTE]. If the TV that turned off...

## a. Turns back on, press [ENTER / OK] to lock in this code.

- b. Does not turn back on, press [▼] one step at a time until the TV turns back on. Each time you press the [▼] button, the mode buttons will illuminate once in reverse rotation (AUX  $\rightarrow$  TV  $\rightarrow$  SAT  $\rightarrow$  AUX).
- Once you have found a code that turns the TV on / off, press [ENTER / OK] to lock in this code. The mode buttons will blink 3-times and go out.

Note: Given the size of the code libraries in your remote control, it will take several minutes to cycle through all the codes when using the Point and Press Programming

# mming Your Auxiliary Device - DVD, VCR

- 1. Turn on the electronic device (VCR, DVD, 2nd TV, AUDIO) you want to program as an AUXILIARY device. Using the remote control keypad....
- 2. In this order, press and hold the [ENTER / OK] button, then the IMUTEI button. Hold both buttons down together until the mode buttons illuminate in rotation (i.e. SAT → TV → AUX → SAT...). Release both buttons as soon as the mode buttons illuminate
- 3 Press IENTER / OKI again
- 4. Follow the Code Entry Programming or Point and Press Programming\* instructions in Section 5 to program your
- When using the Code Entry Programming method, refer to the TV. VCR. DVD or Audio Setup Code lists in this manual.

### 7. Programming Your TV / VCR Combination

- 1. Turn on your TV / VCR combination device and set it to its TV mode.
- 2. Program your remote to operate the TV functions. Using the Code Entry Programming method described in Section 5, find a TV Setup Code that operates the TV functions (Power, Vol. A/▼, Mute, Ch. A/▼, 0-9) of your TV / VCR unit.
- 3. Set your combination device to its VCR mode and install a VHS tape.

4. Program your remote to operate the VCR functions.
Using the Code Entry Programming method described in
Section 6, enter, lock and test each 3-digit VCR Setup
Code for your brand until a code is found that operates the
transport functions (PLAY, STOP, REW, FWD, PAUSE,
REC) of your TV / VCR unit.

Before you can test for the correct VCR setup code, you must first press the [AUX] button first to put the remote in

# TV Setup Codes

must first press th	e [AUX] b	utton fir	st to pu	t the re	mote in	Crown	023				
its AUX mode.	- 6 7					Curtis Mathes	016	023	054	072	073
no riori mode.							107	108	211	213	358
							388	405	573	587	606
TV Setup C	odes					CXC	168	400			
y co.cp c						Daewoo	051	068	073	095	158
							159	189	191	194	196
BRAND		COL	DE(S)				197	198	200	202	204
Acer	454						205	206	207	209	
Admiral	026	027	028	029	054	Daytron	023	073	095	107	108
	211	213	213	408			573	587			
Advent	047	072	094	425	447	Dell	072	094	448		
	463					Diamond Vision	563				
dventura	047					Dumont	049	073	108	573	587
Viko	015	051	391			Dynex	167	415	424	567	577
liwa	214	471				Electro Home	020	044	073	095	100
<b>W</b> ai	020	053	462	473	522		403	573	587		
	524	547	572	586		Electroband	020				
Meron	211	395				Elektra	353				
Vmark	023	215				Element	459	587			
Amstrad	157	210				Emerson	016	021	023	053	064
Vmtron	168	400				2,110,0011	073	100	103	108	139
Vnam	044	168	217	218	219		158	159	164	165	166
wiciiii	220	221	222	223	400		167	168	169	189	19
	403	221	222	223	400		211	233	355	387	390
AOC	053	073	108	384	573		395	400	401	402	400
100	587	0/3	100	304	3/3		408	415	424	507	567
<b>IPEX</b>	030	038	427				573	577	590	587	301
lstar	462	036	421			Envision	073	095	108	573	587
udiovox	168	191	220	400	465	ESA	454	456	538	3/3	36
Hudiovox Belcor	073	101	220	400	400	Fisher	104	355	356	388	
seicor Bell & Howell	211	213	355	388		Fuitsu	211	395	460	469	560
seli & Howeli Ben O	454	≥13	333	368		Fujitsu Funai	047	048	157	168	211
sen Q Bradford	168	400				runa	395	400	10/	108	21
	165	167	423	434		Futuretech	168	400			
Broksonic		107	423	434		Gateway	426	533			
Brokwood	073 068	073	091	108	385	GE Gateway	015	018	042	044	045
Candle	573	587	091	108	300	GE.	049	054	055	068	069
								073			098
Carver	072	405					070		090	092	
Celebrity	020						101	102	103	108	21
Centurion	095	107	108				213	389	390	396	397
Citizen	015	023	051	068	073		403	406	407	573	587
	091	108	168	211	213	Gibraltar	023	048	049	053	068

	073	090	095	107	108
	233	360	361	573	587
Go Video	443				
Goldstar (LG)	023	053	068	073	090
	107	108	233	360	361
	424	567	577	587	
Gradiente	104				
Grundig	233				
Grunpy	023	047	073	095	108
	233	360	361	384	573
	587				
Haier	053	073	095	108	427
	519	573	587	596	
Hall Mark	073	095	108	573	587
Harvard	168	400			
Hitachi	023	039	068	073	095
	096	097	098	099	100
	108	233	393	573	587
HP	072				
Hyundai	453				
iLO	524	586			
IMA	168	400			
Infinity	072	405			
Initial	470				
Inkel	364				
Insignia	167	415	424	450	456
	461	462	523	524	567
	577	586			
JBL	072	405			
JC Penney	023	038	039	045	053
	068	073	091	092	095
	102	108	355	361	384
	385	389	390	573	587
JCH	020	070	400	404	
Jensen	062	073	108	461	573
JVC	587 039	045	104	105	106
JVC	233	396	397	410	589
Kawasho	020	073	095	108	573
nawasno	587	0/3	095	100	5/3
Kenwood	073	095	108	573	587
Kloss Novabeam	073	168	400	404	36/
KMC	023	100	400	404	
Konka	445	589			
Kosch	462	009			
KTV	023	053	064	168	233
N/V	366	400	004	100	233
Kurazai	211	213			
Legend	169	213			
LG (Goldstar)	023	053	068	073	090
LO (CONGRED)	023	000	000	0/3	090

	073	090	095	107	108		384	424	567	577	587	Orion
	233	360	361	573	587	Lodgenet	211	213				
	443					Logik	211	213				Panasonic
	023 107	053 108	068 233	073 360	090 361	Luxman	068 587	073	095	108	573	Philco
	424	567	577	587	301	LXI	024	026	027	028	029	FINCO
	104	307	3//	367		LAI	038	072	157	355	388	
	233						405	0/2	101	000	•	
	023	047	073	095	108	MAG	459					Philips
	233	360	361	384	573	Magnavox	023	044	068	071	072	1 Timps
	587	000	001	004	5/5	magnavox	073	089	090	091	092	
	053	073	095	108	427		093	094	095	108	134	
	519	573	587	596	-127		233	385	387	390	397	
	073	095	108	573	587		398	403	404	405	419	
	168	400					423	426	456	463	470	
	023	039	068	073	095		472	523	533	549	594	
	096	097	098	099	100		595	685				Pilot
	108	233	393	573	587	Maiestic	211	213				
	072					Marantz	053	072	073	097	098	Pioneer
	453						107	108	109	405	573	
	524	586					587					Planar
	168	400				Matsui	582	583	585			Polaroid
	072	405				Maxent	426	533	534			Portland
	470					McIntosh	555					
	364					Megatron	215					Prima
	167	415	424	450	456	Memorex	090	211	213	355	384	Prism
	461	462	523	524	567		388	405	423	459		ProScan
	577	586				MGA / Mitsubishi	053	068	073	090	095	Proton
	072	405 038	039	045	053		104 216	107	108 394	109 395	110	D
	068	038	039	092	095		399	384 417	573	587	398	Protron Proview
	102	108	355	361	384	Midland	023	045	049	396		Proview Pulsar
	385	389	390	573	587	Mintek	470	043	049	390		Quasar
	020	309	390	5/3	36/	Montgomery Ward	022	023	026	027	028	Radio Shack
	062	073	108	461	573	workgomery ward	029	053	071	072	108	riaulo Silaux
	587	0/0	100	401	0/0		211	213	011	0/2	100	
	039	045	104	105	106	Motorola	026	027	028	029	044	RCA
	233	396	397	410	589		403					
	020	073	095	108	573	MTC	073	108	384	573	587	
	587					Multitech	168	400				
	073	095	108	573	587	NAD	023					
7	071	168	400	404		NEC	028	029	044	068	073	Realistic
	023						090	108	200	384	403	
	445	589					464	573	587			Runco
	462					Net TV	426					Sampo
	023	053	064	168	233	Mikko	015	051	391			
	366	400				Norcent	455	472				Samsung
	211	213				NTC	015	051	391			
	169					Olevia	073	108	519	541	587	
	023	053	068	073	090	Onwa	168	400	007	000	000	

Orion	019	159	160	161	162	Sansui	169	392	415	423	424
	163	382	423	424	558	Sanyo	073	104	108	353	355
Panasonic	042	043	044	045	046		356	376	377	388	573
	403	419	423	429	631		587				
Philco	023	044	053	068	071	Sceptre	468				
	072	073	091	093	095	Scott	073	090	108	168	211
	108	233	384	385	403		233	395	400	561	573
	404	405	463	573	587		587				
Philips	023	044	068	071	072	Sears	023	029	030	031	038
	073	089	090	091	092		039	068	072	095	104
	093	094	095	108	134		157	211	213	353	355
	233	385	387	390	397		356	388	395	405	573
	398	403	404	405	419	Sharp	016	022	023	024	025
	423	426	456	463	470		026	027	028	029	073
	472	523	533	549	594		108	233	393	395	409
	595	685					573	587			
Pilot	023	073	094	108	233	Shogun	073	108	573	587	
	573	587				Signature 2000	023	026	027	028	029
Pioneer	019	073	100	108	111		108	211	213		
	144	383	551	573	587	Simpson	091	385			
Planar	474					Sony	014	020	021	050	098
Polaroid	384	394	459	465			178	540			
Portland	015	023	051	068	073	Soundesign	073	091	108	168	211
	108	384	391	573	587		385	395	400	573	587
Prima	072					Soyo	562				
Prism	045					Squareview	157				
ProScan	055	070	578	726		SSS	073	108	168	400	573
Proton	073	090	108	233	371		587				
	372	467	573	587		Starlite	168	400			
Protron	457	467				Sunbrite TV	587				
Proview	459					Superscan	419	423			
Pulsar	049	073	108	573	587	Supre-Macy	380				
Quasar	043	044	045	046	403	Supreme	020				
Radio Shack	022	023	046	069	073	SVA	592				
	108	168	233	355	388	Sylvania	047	068	071	072	073
	400	573	587				090	091	092	093	095
RCA	042	044	052	053	054		107	108	132	157	158
	055	068	069	070	073		385	404	405	419	423
	095	100	108	191	384		456	466	507	573	587
	403	408	416	573	587		590	595			
	725					Symphonic	047	132	157	168	400
Realistic	022	023	046	069	166	Tandy	026	027	028	029	
	168	233	355	388	400	Tatung	044	403	446		
Runco	049	525				Technics	045				
Sampo	023	073	090	108	426	Techwood	045	068	073	573	
	533	573	587			Teknika	023	068	072	091	108
Samsung	015	016	017	023	031		168	213	463	587	
	073	090	095	107	108	Telerent	023	213			
	134	147	151	153	233	Tera	381				
	384	386	411	426	508	Tevion	065	414			
	533	573	577	587		TMK	068	073	090	108	573

	587				
Toshiba	022	030	031	038	039
	092	355	388	423	57
Totevision	233				
Trutech	095				
Universal	068	102	389	390	
Victor	106				
Vidikron	072	105			
Vidtech	068	073	108	384	573
	587				
ViewSonic	426	428	455	458	472
	513	515	527	528	529
	530	531	532	533	534
	535	536	537	538	539
Viore	031	208	599	601	602
Visco	589				
Vizio	053	062	073	095	098
	454	538	561	573	
Wards	022	068	071	072	073
	090	091	093	095	102
	108	211	213	384	385
	389	390	395	404	403
	573	587			
Westinahouse	020	458	463		
White Westinghouse	191	211	408	449	
XR-1000	213				
Yamaha	068	073	108	384	573
	587				
York	090	108			
Zenith	047	048	049	050	05
	073	095	108	191	213
	391	405	406	408	434
	567	573	577	587	

# A VCR Setup Code

Veix scrop codes														
BRAND		COL	DE(S)											
Admiral Aiwa	066 132	075	453	458										
Akai	058 352	269 351	275	336	354									
Audio Dynamics Bell & Howell	243 238	291 357												
Broksonic	132 358	329 339	333 434	337	359									
Canon Citizen	086 033 491	170 172	362 247	331	429									
	401													

Shaw Direct Model IR/RF 600							Shaw Direct Model IR/RF 600							
Colortyme	291							330	604					
Craig	172	331	363				Panasonic	086	112	117	430	472		
Curtis Mathes	066	086	112	172	174			477	482					
	247	291	472				Pentax	078	462					
Daewoo	033	342	343	344	345		Philco	086	132	183	552			
	346	347	429	491		1	Philips	086	132	183	247	472		
Daytron	345	365					,	552						
DBX	243	291					Pioneer	078	120	128	263	462		
DELL	363							486						
Dvnatech	132						Portland	345						
Emerson	033	086	132	258	326		Proscan	066	170	174				
	327	329	331	332	333	(	Quartz	238	378					
	334	335	336	337	338	(	Quasar	112	086	477				
	339	340	341	352	472	F	Radio Shack	081	066	086	172	238		
Fisher	035	081	238	357	363			331	363					
	434	467	496			F	RCA	066	078	086	141	170		
Funai	132							172	173	174	352	462		
GE	066	086	170	172	174			472						
	472					F	Realistic	033	066	081	086	132		
Go Video	172	348	349	350				238	331	363	453			
Goldstar(LG)	247	291	331				Samsung	033	172	269	271	275		
Harman Kardon	291							276	278	510				
Hitachi	078	132	462				Sansui	120	128	326	367	379		
Instant Replay	086	472						486	604					
JC Penney	078	086	132	172	238		Sanyo	172	238	346	357	363		
	291	329	331	462	472		Scott	033	132	258	329	332		
JCL	086	472						367	429	491				
JVC	120	128	238	243	247		Sears	035	066	078	081	086		
	250	253	291	486				238	331	363	434	462		
Kenwood	120	128	132	238	243			496						
	247	291	486				Sharp	066	075	453	458			
LG (Goldstar)	247	291	331				Shintom	058	078	367				
Lloyd	132						Signature 2000	066	170	173	373			
Logik	367						Sony	056	058	060	439	443		
LXI	132	331	400	0.47	470	١.		448	501	505	553			
Magnavox	086 552	132	183	247	472		Soundesign	132	132	141	183	258		
Manage	086	172	183	238	247		Sylvania	086 322	324	420	183 472	258		
Marantz	291	472	103	230	241	١.	O	132	324	420	4/2			
Marta	331	4/2					Symphonic Tandy	132	238					
marta Matsui	368						Tandy Tashiko	331	230					
Memorex	086	132	172	238	326		Tatung	243						
werrorex	331	363	369	370	604		Teac	132	243					
Mitsubishi	078	120	128	255	258		Technics	086	331	472				
Montgomery Ward	066	170	173	373	200		Teknika	086	132	331	359			
MTC	132	172	110	0/0			Thomas	132	102	001	003			
Multitech	132	172	367				TMK	172	338					
NEC	120	128	238	243	247		Toshiba	033	035	078	081	258		
,,,,,	269	291	374	375	486	l'		429	434	462	467	491		
ON	291	231	0.7	0.0				496	604	102				
Orion	322	326	327	328	329	1	Totevision	172	331					

FCC ID: UCFIR-RF600

Part 15.21

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.